**The Alan Turing Institute**

**UNIVERSITY OF LEEDS**

# Agent Based Modelling

## MODELLING THE DYNAMICS OF POLICE DEMAND AND RESOURCING OVER SPACE AND TIME

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# Agent Based Modelling?

An agent based model is a computational model that allows the user to simulate autonomous **entities** with various characteristics within a defined **environment**.

**Agent name: Bob**
**ID: 2011923**
**Height: 2m**
**Hates: Cookies, Burgers, Trump..**

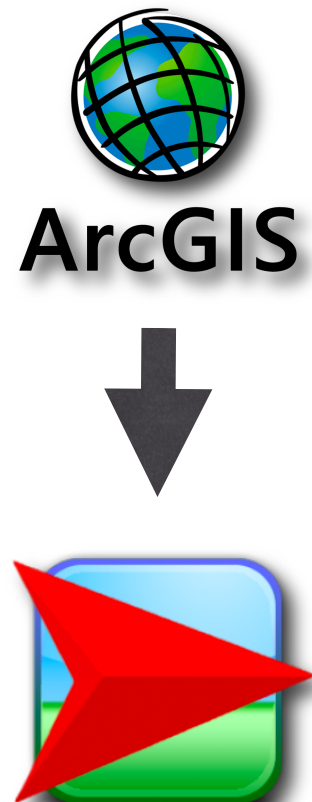Contains all resources where the time to mobilise is less than the number of cycles = (days) of the incident.

**List M**

delete from M all resource

List M = List M - resource A

Subtract 1 from all times-to-mobilise of resources in X

# Model execution

# Thank you!

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../SedarOlmez94 **->** police_simulation_project-PSP- **->** tree **->** master **->** project